Kodak EasyShare DX7590 zoom digital camera

User's guide

www.kodak.com

For interactive tutorials, www.kodak.com/go/howto

For help with your camera, www.kodak.com/go/dx7590support

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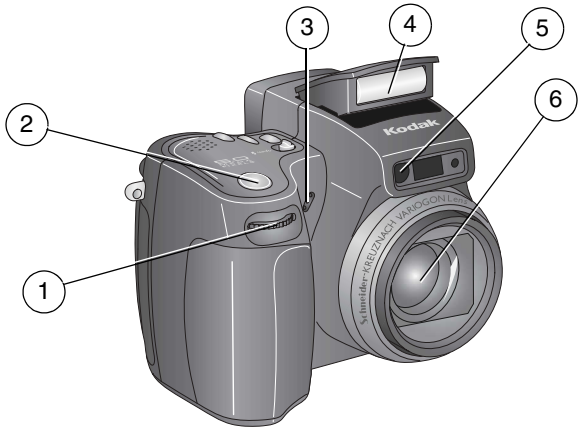
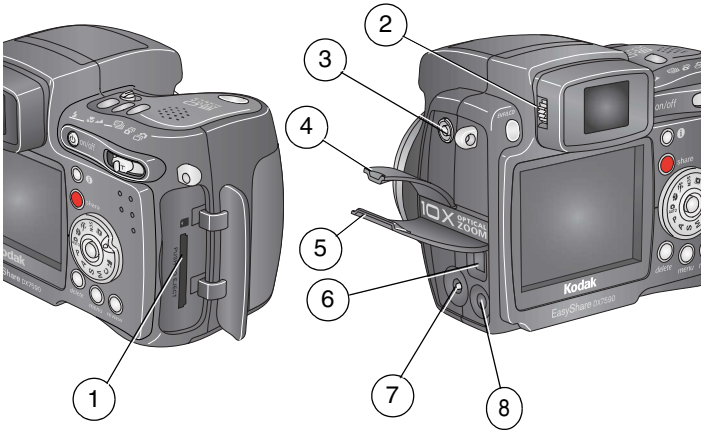
P/N 4J1301

Top, front view



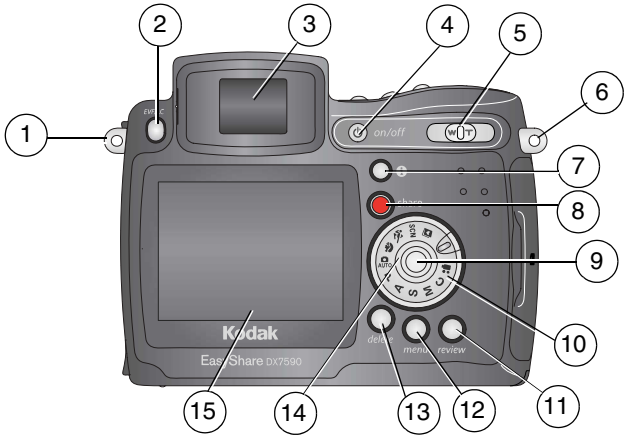
1 Jog dial
2 Shutter button
3 Microphone
4 Flip-up flash
5 Self-Timer/Video light
6 Lens

Side views



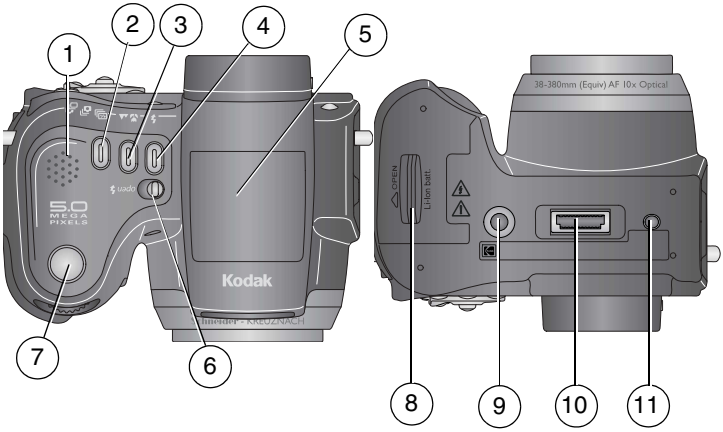
1 SD/MMC card slot
2 Diopter dial
3 External flash connector
4 External-flash-connector cover
5 USB port/ DC-In/ A/V-Out cover
6 USB port
7 DC-In (5V)
8 A/V Out (for TV viewing)

Back view



1 Neck strap post
2 EVF/LCD toggle button
3 EVF (Electronic Viewfinder)
4 On/Off button
5 Zoom (Wide Angle/Telephoto)
6 Neck strap post
7 Status button
8 Share button
9 Joystick (move ◀/▶ ▲/▼); OK button (press)
10 Mode dial
11 Review button
12 Menu button
13 Delete button
14 Power ring
15 LCD screen (Liquid Crystal Display)

Top and bottom views



Top

1 Speaker

2 Exposure bracketing / First burst /Last burst button

3 Close-up /Landscape button

4 Flash button

5 Flip-up flash

6 Open flash switch

7 Shutter button

Bottom

8 Battery door

9 Tripod socket/locator for EasyShare camera dock or printer dock

10 Dock connector

11 Locator for EasyShare camera dock or printer dock

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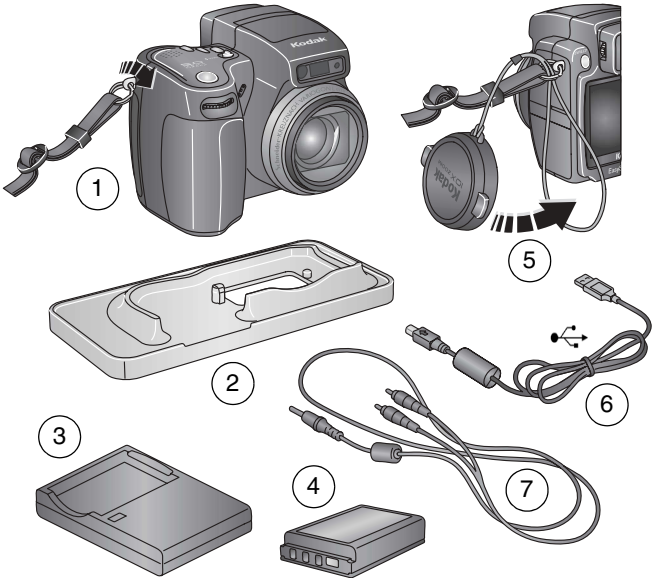
1 Getting started

Package contents



1 Camera with neck strap

2 Custom dock insert (for EasyShare camera dock or printer dock)

3 Battery charger with plug(s)

4 Li-Ion rechargeable battery

5 Lens cap with strap

6 USB cable

7 Audio/Video cable (for viewing pictures and videos on television)

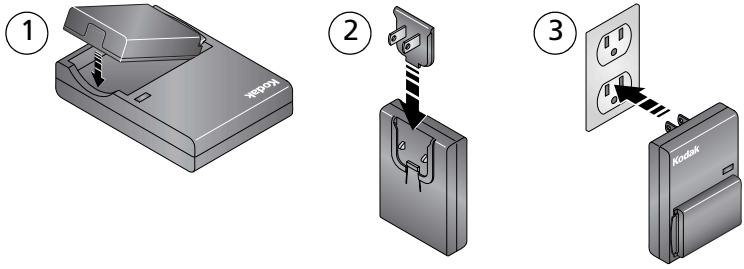
Not shown: User's guide (may be provided on a CD), Start Here! guide, Kodak EasyShare software CD. Contents may change without notice.

Installing the software first

IMPORTANT: *Install the software from the Kodak EasyShare software CD before connecting the camera (or dock) to the computer. Otherwise, the software may install incorrectly. See the Start Here! guide or* *Installing the software, page 44*.

Charging the battery

The Li-Ion rechargeable battery requires charging before first use.



1 Insert the battery into the charger.

2 Insert the plug that matches your electrical outlet.

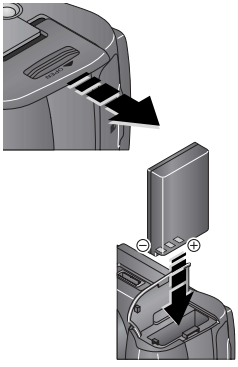
3 Plug the charger into the outlet.

The indicator light turns red. When the indicator light turns green, remove the battery and unplug the charger. Charging takes approximately 3 hours.

You can also charge the battery using an optional Kodak EasyShare printer dock or camera dock. Purchase these and other accessories at a dealer of Kodak products or visit www.kodak.com/go/dx7590accessories.

Inserting the battery

CAUTION:
Use only a Kodak EasyShare Li-Ion rechargeable battery.



1 Make sure the camera is turned off.

2 On the bottom of the camera, slide the battery door and lift to open.

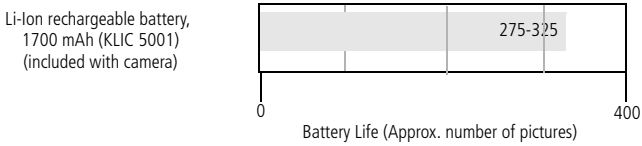
3 Insert the battery as shown. Push the battery completely into the battery compartment.

4 Close the battery door.

Important battery information

Kodak battery replacement types/battery life

Actual battery life may vary based on usage.



We recommend using only a Kodak EasyShare Li-Ion rechargeable battery. Not all manufacturers' 3.7V Li-Ion rechargeable batteries are compatible with the camera. Damage caused by unauthorized accessories is not covered under warranty.

Optional battery: You can use a Kodak EasyShare Li-Ion rechargeable battery, 1050 mAh, but it is a lower power battery. Expect approximately 30% fewer pictures per full charge than with the 1700 mAh battery included with your camera.

Extending battery life

- Limit the following activities that deplete battery power:
  - Using Quickview (page 12)
  - Excessive use of the flash
  - Using the LCD screen; utilize the EVF screen instead.
- Dirt on the battery contacts can affect battery life. Wipe the contacts with a clean, dry cloth before inserting a battery in the camera.
- Battery performance is reduced at temperatures below 41° F (5° C). When using your camera in cold weather, carry spare batteries and keep them warm. Do not discard cold batteries that do not work; when they return to room temperature, they may be usable.

Visit www.kodak.com/go/dx7590accessories for:

Kodak EasyShare camera dock—powers your camera, transfers pictures to your computer, and charges your battery.

Kodak EasyShare printer dock—powers your camera, makes 4 x 6 in. (10 x 15 cm) prints with or without a computer, transfers pictures, and charges your battery.

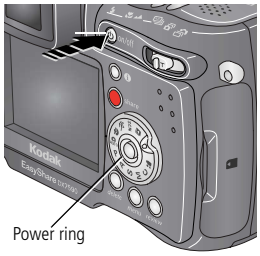
Kodak 5-volt AC adapter—powers your camera.

Battery safety and handling

- Do not allow batteries to touch metal objects, including coins. Otherwise, a battery may short circuit, discharge energy, become hot, or leak.
- For rechargeable battery disposal information, see the Rechargeable Battery Recycling Corporation Web site at www.rbrc.com.

For more information on batteries, see www.kodak.com/global/en/service/batteries/batteryUsage.jhtml

Turning the camera on and off



- Press the On/Off button.

  Your camera is ready to take pictures when the Power ring stops blinking.
  The EVF or the LCD screen turns on, depending on which display was last used.

- Press the On/Off button to turn off the camera.

  The camera completes operations that are in process.

Setting the language

1. Turn on the camera. Press the Menu button.
2. Move the Joystick ▲/▼ to highlight Setup Menu, then press the OK button.
3. Move the Joystick ▲/▼ to highlight Language ABC, then press the OK button.
4. Move the Joystick ▲/▼ to choose a language: English, German, Spanish, French, Italian, Portuguese, Chinese, Korean, or Japanese.
5. When finished, press the OK button.
6. Press the Menu button to exit the menu.

Setting the date and time

Setting the date & time, first time

The message *Date and Time have been reset* appears the first time you turn on the camera or if the battery is removed for an extended time.

1 SET DATE & TIME is highlighted. Press the OK button.

2 Go to step 4 in Setting the date & time, anytime.

Setting the date & time, anytime

1 Turn on the camera. Press the Menu button.

2 Move the Joystick ▲/▼ to highlight Setup Menu, then press the OK button.

3 Move the Joystick ▲/▼ to highlight Date & Time, then press the OK button.

4 Move the Joystick ▲/▼ to adjust the date and time. Move the Joystick ◀/▶ to advance to the next setting.

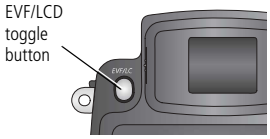
5 When finished, press the OK button.

6 Press the Menu button to exit the menu.

NOTE: Depending on your computer operating system, Kodak EasyShare software may update the camera clock when you connect the camera. See the EasyShare software Help for details.

Changing the display, EVF or LCD

Your camera has an Electronic Viewfinder (EVF). The EVF, like the LCD (Liquid Crystal Display) screen, displays what the camera captures.



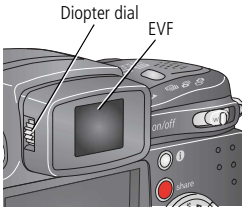
Press the EVF/LCD toggle button to change the screen from EVF to LCD, and back.

The selection remains until you press the button again.

NOTE: The EVF/LCD screen turns off after 1 minute if no pictures are taken. Press any button to turn the display back on.

Using the diopter dial

You can adjust the EVF sharpness for your eyesight.



- Look through the EVF.
- Turn the Diopter dial until the viewfinder image is sharp.

Checking camera and picture status

The icons that appear on the EVF/LCD screen indicate the active camera and picture settings.

Press the Status button to turn the icons off and on.

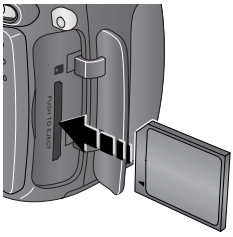
Storing pictures on a SD or MMC card

Your camera has 32 MB of internal memory. You can purchase at a dealer of Kodak products or at www.kodak.com/global/en/digital/accessories optional SD cards for removable, reusable storage for your pictures and videos.

NOTE: We recommend Kodak SD or MMC cards. Other SD brands are acceptable, but must possess the SD logo. (The SD logo is a trademark of the SD Card Association.) When using the card for the first time, format it in this camera before taking pictures (see page 31).

CAUTION:

The card can only be inserted one way; forcing it may damage the camera or card. Do not insert or remove a card when the green ready light is blinking; doing so may damage your pictures, card, or camera.



1. Turn off the camera, then open the card door.
2. Orient the card as shown on the camera body.
3. Push the card all the way into the slot.
4. Close the door.

   To remove the card, turn off the camera. Push the card in, then release it. When the card is partially ejected, pull it out.

   See page 65 for storage capacities.

2 Taking pictures and videos

Taking a picture

The camera is always ready to take pictures—in Review, Share, or Setup but not in Favorites. (In Video mode, the camera captures video.)

1 Press the On/Off button.

2 Turn the Mode dial to the desired setting.

NOTE: Use Auto for general picture-taking situations. (See page 14 for other camera-mode options.)

3 Use the EVF or LCD screen to frame your subject. (Press the EVF/LCD toggle button to switch to the other. See page 6.)

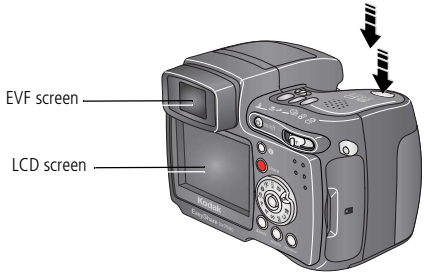
The EVF /LCD screen displays a mode description and a live view.

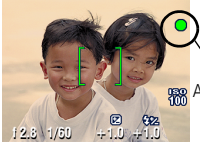
NOTE: To take flash pictures, open the flip-up flash (see page 20). An Open Flash warning appears on the EVF/LCD screen when the flash unit needs to be open.

4 Press the Shutter button **halfway** to set the Auto Focus (AF) and Auto Exposure (AE).

The AF/AE indicator is displayed. If the focus and/or exposure fails, recompose the shot and try again.

5 Continue pressing the Shutter button **completely down** to take the picture.





AF/AE indicator:
- green—successful
- red—failed
- AF failed focus
- AE failed exposure

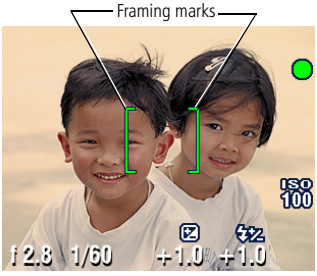
Using the auto-focus framing marks

When using the camera EVF/LCD screen as a viewfinder, framing marks indicate where the camera is focusing. For the best pictures, the camera attempts to focus on foreground subjects, even if the subjects are not centered in the scene.

1 Press the Shutter button **halfway and hold**.

When the framing marks turn from blue to green, focus is accomplished.

While the shutter button is pressed halfway:



Center focus

Center wide focus

Side focus

Center and side focus

Left and right focus

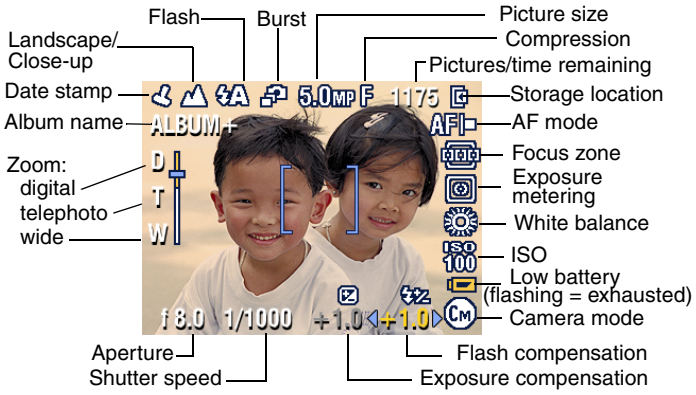
2 If the camera is not focusing on the desired subject (or if the framing marks disappear), release the Shutter button and recompose the scene.

3 Press the Shutter button **completely down** to take the picture.

NOTE: Framing marks do not appear in Landscape or Video mode. When you use Focus Zone (page 28) and set Center Zone, the framing marks are fixed at Center Wide.

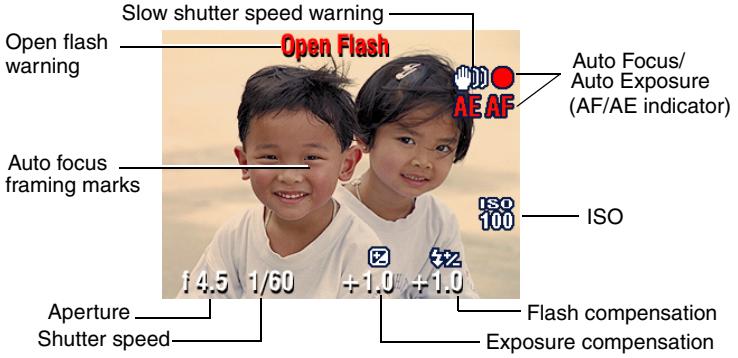
Capture modes

Only active camera settings are displayed:



Capture modes—shutter pressed halfway

Press the Shutter button halfway to display the active manual settings:



Taking a video

NOTE: You can change optical zoom before (but not during) video recording.

1 Turn the Mode dial to Video .

2 Press the Menu button. Move the Joystick ▲/▼ to highlight Video Size, then press the OK button.

3 Move the Joystick ▲/▼ to highlight the desired Size, then press the OK button.

4 To eliminate camera noise during recording, turn off Continuous AF (see page 28).

5 Use the EVF or LCD screen to frame your subject. (Press the EVF/LCD toggle button to switch to the other screen, see page 6.)

6 Press the Shutter button completely down and release. To stop recording, press and release the Shutter button again.

During recording, REC blinks on the screen and the elapsed time is displayed.

NOTE: If you prefer, press the Shutter button completely down and hold it for more than 2 seconds to begin recording. To stop recording, release the Shutter button. Recording also stops if the storage location is full. See page 66 for video storage capacities.

Quickview—Reviewing the picture or video just taken

After you take a picture or video, the EVF or LCD screen displays a Quickview for approximately 5 seconds. While the picture or video is displayed, you can:

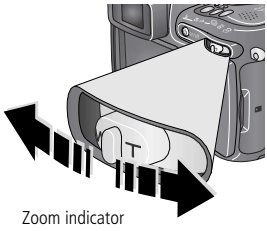
- **Review:** If you take no action, the picture/video is saved.
- **Play (video):** Press the OK button to play the video. Move the Joystick ▲/▼ to adjust the volume. Press OK again to pause the video.
- **Share:** Press the Share button to tag a picture/video for email (see page 47) or as a favorite, or to tag a picture for print. (See page 47.)
- **Delete:** Press the Delete button while the picture/video and 🗑 are displayed.

NOTE: Only the final picture of exposure bracketing (see page 24) or burst series (see page 25) is displayed during Quickview. If you select Delete, all pictures in the burst series are deleted. To delete selectively, do so in Review (see page 39).

Using optical zoom

Use optical zoom to get up to 10X closer to your subject. Optical zoom is effective when the lens is no closer than 2 ft (0.6 m) from the subject. (See Tips for better pictures on page 34.) You can change optical zoom before (but not during) video recording.

IMPORTANT: Place the camera on a sturdy surface or tripod when you take high-zoom pictures.



1. Use the EVF or LCD screen to frame your subject.
2. Push the Zoom button toward Telephoto (T) to zoom in. Push it toward Wide Angle (W) to zoom out.

   The EVF or LCD screen displays the zoomed image and the zoom indicator.
3. Press the Shutter button **halfway and hold** to set the exposure and focus, then press **completely down** to take the picture. (When taking videos, press and release the Shutter button.)

Using advanced digital zoom

Use advanced digital zoom in any Still mode to get an additional 3X magnification beyond optical zoom; available settings are from 12X to 30X.

IMPORTANT: Place the camera on a sturdy surface or tripod when you take high-zoom pictures.

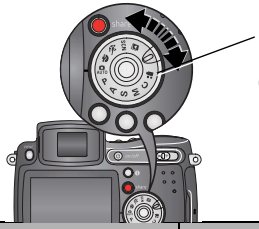
1. Push the Zoom button to the telephoto optical zoom limit (10X). Release the button, then push it again.

   The EVF or LCD screen displays the zoomed image and the zoom indicator.
2. Press the Shutter button **halfway and hold** to set the exposure and focus, then press **completely down** to take the picture.

NOTE: You cannot use digital zoom for video recording.

IMPORTANT: *You may notice a decrease in printed image quality when using digital zoom. The blue slider on the zoom indicator pauses, then turns red when the picture size is approximately 1 MP. For an acceptable 4 x 6 in. (10 x 15 cm) print, ensure that the slider remains blue.*

Picture-taking modes



Choose the mode that best suits your subjects and surroundings.

Use this mode	For
Auto	General picture-taking—offers an excellent balance of image quality and ease of use.
P **Program**	Controlling exposure compensation (how much light enters the camera) and flash compensation. The camera automatically sets the shutter speed and aperture (f-stop) based on the scene lighting. Program mode offers the ease of auto shooting with full access to all menu options. Use the jog dial to select settings. (See P, A, S, M, and C modes, page 18.) Press the Menu button to change other settings.
A **Aperture Priority**	Controlling aperture, exposure compensation, flash compensation, and ISO speed. Aperture priority mode is primarily used to control depth of field (the range of sharpness). NOTE: The aperture setting may be affected when using optical zoom. Use the jog dial to select settings. (See P, A, S, M, and C modes, page 18.) Press the Menu button to change other settings.
S **Shutter Priority**	Controlling the shutter speed, exposure compensation, flash compensation, and ISO speed. The camera automatically sets the aperture for proper exposure. Shutter priority mode is primarily used to prevent blur when your subject is moving. To prevent camera shake, use a tripod for slow shutter speeds. Use the jog dial to select settings. (See P, A, S, M, and C modes, page 18.) Press the Menu button to change other settings.

Use this mode	For
M **Manual**	Enjoying the highest level of creative control. You set the aperture, flash compensation, shutter speed and ISO speed. Exposure compensation acts as an exposure meter, recommending the proper combination of aperture and shutter speed to produce an acceptable exposure. To prevent camera shake, use a tripod for slow shutter speeds. Use the jog dial to select settings. (See P, A, S, M, and C modes, page 18.) Press the Menu button to change other settings.
C **Custom**	The "user-created" mode. For applying P, A, S, M plus any Custom settings (exposure compensation, flash compensation, ISO speed) which are saved independent of other camera settings. Use the jog dial to select settings. (See P, A, S, M, and C modes, page 18.) Press the Menu button to choose a capture mode. (See Custom Exposure Mode, page 26.) Press the Menu button to change other settings.
Video	Capturing video with sound. (See page 11.)
Favorites	Viewing your favorites. (See page 49.)
SCN **Scene**	Point-and-shoot simplicity when taking pictures under 14 special conditions. (See Scene modes, page 16.)
Sport	Subjects that are in motion. Shutter speed is fast. The camera pre-settings are f/2.8–f/3.7, Multi-Pattern Exposure Metering, Multi-Zone Focus, ISO100–ISO 200.
Portrait	Full-frame portraits of people. Allows the subject to be sharp and the background to be indistinct. For best results, position your subject at least 6 ft (2 m) away and fill the frame with a head and shoulder pose. Use Telephoto to exaggerate background blur. The camera pre-settings are f/2.8–f/3.7, Multi-Pattern Exposure Metering, Multi-Zone Focus, ISO 100.

Scene modes

1 Turn the Mode dial to Scene **SCN**.

2 Move the Joystick ◀/▶ ▲/▼ to display Scene mode descriptions.

NOTE: If the screen turns off, press the OK button.

3 Press the OK button to choose a Scene mode.

Use this SCN mode		For	Camera pre-settings
	Close-up	Subjects closer than 28 in. (70 cm).	f/2.8–f/3.7, Macro Focus, Center-Weight Metering, Center-Zone Focus, ISO 100
	Landscape	Distant scenery. Flash does not fire. Auto-focus framing marks (page 9) are not available in Landscape.	f/2.8–f/3.7, Infinity Focus, Multi-Pattern Exposure Metering, Daylight White Balance, ISO 100
	Night Portrait	Reduces red eye of people in night scenes or low-light conditions. Place the camera on a flat, steady surface or use a tripod.	f/2.8–f/3.7, Multi-Pattern Exposure Metering, Multi-Zone Focus, ISO 140
	Night Landscape	Distant scenery at night. Flash does not fire. Place the camera on a flat, steady surface or use a tripod.	f/2.8–f/3.7, Infinity Focus, Daylight White Balance, Center-Weight Metering, Daylight White balance, ISO 100
	Snow	Bright snow scenes.	f/2.8–f/3.7, +1 Exposure Compensation, Center-Weight Metering, Multi-Zone Focus, ISO 100
	Beach	Bright beach scenes.	f/2.8–f/3.7, +1 Exposure Compensation, Center-Weight Metering, Daylight White balance, ISO 100
	Text	Documents.	f/2.8–f/3.7, Macro Focus, +1 Exposure Compensation, Center-Weight Metering, ISO 140

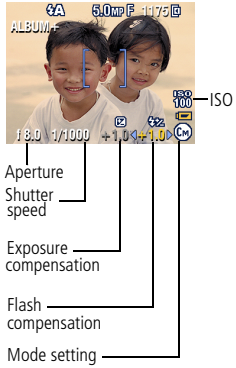
Use this SCN mode		For	Camera pre-settings
	Fireworks	Flash does not fire. Place the camera on a flat, steady surface or use a tripod.	f/5.6, 2 second exposure, Infinity Focus, Center-Weight Metering, Daylight White Balance, ISO 100
	Flower	Close-ups of flowers or other small subjects in bright light.	f/2.8–f/3.7, Macro Focus, Daylight White balance, Center-Zone Focus, Center-Weight Metering, ISO 140
	Manner/ Museum	Quiet occasions, like a wedding or lecture. Flash and sound are disabled.	f/2.8–f/3.7, no sounds, no flash, Multi-Pattern Exposure Metering, Multi-Zone Focus, ISO 100
	Self-Portrait	Close-ups of yourself. Assures proper focus and minimizes red eye.	f/2.8, Macro Focus, Multi-Pattern Exposure Metering, Multi-Zone Focus, Red-Eye Flash, ISO 100
	Party	People indoors. Minimizes red eye.	f/2.8–f/3.7, Multi-Pattern Exposure Metering, Multi-Zone Focus, Red-Eye Flash, ISO 140
	Children	Action pictures of children in bright light.	f/2.8–f/3.7, Multi-Pattern Exposure Metering, Multi-Zone Focus, ISO 140
	Backlight	Subjects that are in shadow or "backlit" (when light is behind the subject).	f/2.8–f/3.7, Multi-Pattern Exposure Metering, Multi-Zone Focus, Fill-Flash, ISO 100

P, A, S, M, and C modes

Settings you change in P, A, S or M modes apply only to pictures taken in those modes. Settings you change in C mode apply only to pictures taken in that mode.

For example, if you change the Color Mode to Sepia while in P, A, S, or M mode, you still retain the default setting of Color for Auto and Scene modes.

NOTE: The settings, including Flash, are maintained for P, A, S, M, and C modes—even when you change modes or turn off the camera. Use Reset to Default (see page 29) to reset P, A, S, M, or C mode to its default setting.



Aperture—also known as f-stop, controls the size of the lens opening, which determines the depth of field. Smaller f-numbers, for example f/2.8, refers to a bigger lens opening. Larger f-numbers, for example f/8, refers to a smaller lens opening.

Larger f-numbers keep the main subject sharp; good for landscapes and well-lit conditions. Smaller f-numbers are good for portraits and low-light conditions. The highest and lowest aperture numbers may be affected by optical zoom.

Shutter speed—controls how long the shutter stays open. A shaking hand icon warns of slow shutter speeds. (Use a tripod for slow shutter speeds.)

Exposure Compensation—allows the user to manually adjust the exposure; good for controlling backlit or non-standard scenes. If the picture is too light, decrease the setting; if it's too dark, increase the setting.

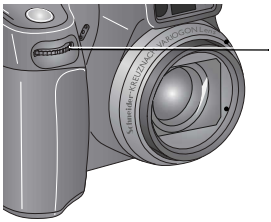
Flash Compensation—controls the flash brightness (+0.5, +1.0, –0.5, –1.0). You must be within flash range. Unavailable if flash setting is Off.

ISO—controls sensitivity of the camera sensor (80,100, 200, 400, 800). Higher settings are more sensitive to light, but may produce unwanted "noise" in a picture. You can only use ISO 800 if you are in the 1.8 MP Picture Size setting. (See Picture Size, page 26.)

See Tips for better pictures on page 34.

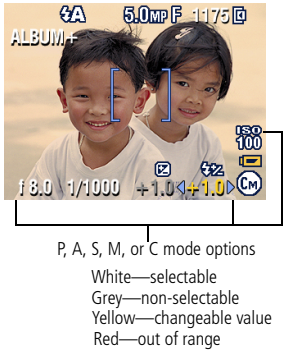
Using the jog dial to change P, A, S, M, or C mode settings

The Jog dial controls the — f-number, shutter speed, exposure and flash compensations, and ISO. Use the Menu button to control all other settings.



Jog dial:

- Rotate to move the cursor or change settings.
- Press to open or save settings.



P, A, S, M, or C mode options

White—selectable
Grey—non-selectable
Yellow—changeable value
Red—out of range

1 Turn the Mode dial to P, A, S, M, or C.

The mode options are displayed.

2 Use the Jog dial:

- Rotate the Jog dial to move the cursor. +1.0 between the available settings.
- Press the Jog dial to open a setting.
- Rotate the Jog dial to change the setting ◀+1.0▶.
- Press the Jog dial to save the setting.

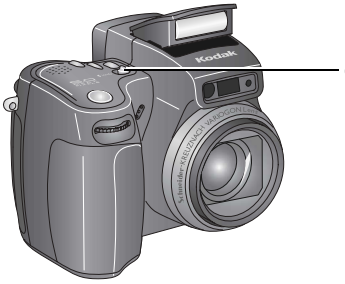
3 Press the Menu button to change other settings (see page 26).

4 Take a picture.

Using the flip-up flash

Use the flash when you take pictures at night, indoors, or outdoors in heavy shadows. You can change the flash setting in most Still modes, except Burst; the default setting is restored when you exit the mode or turn off the camera.

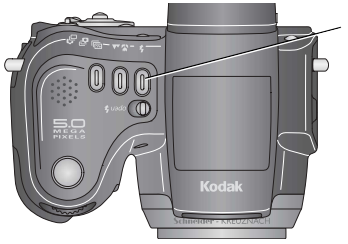
Turning on the flash



Slide the open flash switch to raise the flash and to turn it on.

NOTE: The flash unit must be open to use the flash and to change the flash modes. An Open Flash warning appears on the EVF/LCD screen when the flash unit needs to be open.

Changing the flash settings



Press the flash button repeatedly to scroll through the flash modes (see Flash modes table).

NOTE: The active flash icon is displayed in the EVF/LCD screen status area.

Flash-to-subject distance	
Zoom position	**Flash distance**
Wide angle	2–16.1 ft (0.6–4.9 m) @ ISO 140
Telephoto	6.6–12.1 ft (2.0–3.7 m) @ ISO 140

Flash-icon behavior	Cause	Action
Blinking	Flash is charging.	Wait. Take picture when the icon stops blinking.
	Flash button is pressed, flash unit is closed.	Open flash unit or take the picture without flash.

Flash modes	Flash fires
Auto Flash	When the lighting conditions require it.
Fill	Every time you take a picture, regardless of the lighting conditions. Use when the subject is in shadow or is "backlit" (when the sun is behind the subject). In low light, hold the camera steady or use a tripod. See Tips for better pictures on page 34.
Red-eye	Once, so the subject's eyes become accustomed to the flash, then fires again when the picture is taken. (If the lighting conditions require flash but do not require Red-eye reduction, the flash may fire only once.)
Off	Never

NOTE: *Rear-curtain-flash sync* activates automatically when the flash is fired and the shutter speed is set at 1/30 second or longer. The flash fires just before the shutter closes to create a stream-of-light effect behind a moving object for a more natural appearance. This feature prevails only in S, M, and C and in Night portrait mode.

Flash settings in each mode

Flash settings are pre-set for each picture-taking mode.

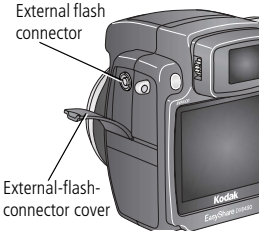
Capture modes		Default setting	Available settings
	Auto	Auto*	Auto, Off, Fill Flash, Red-eye
	Portrait	Auto*	Auto, Off, Fill Flash, Red-eye
	Sports	Auto*	Auto, Off, Fill Flash, Red-eye
P, A, S, M, C	**P, A, S, M, or C**	Auto*	Auto, Off, Fill Flash, Red-eye
SCN	**Scene modes**		
	Close-up	Off	Auto, Off, Fill Flash
	Landscape	Off	Off
	Night Portrait	Red-eye*	Auto, Off, Fill Flash, Red-eye

Capture modes		Default setting	Available settings
	Night Landscape	Off	Off
	Snow	Auto*	Auto, Off, Fill Flash, Red-eye
	Beach	Auto*	Auto, Off, Fill Flash, Red-eye
	Text	Off	Auto, Off
	Fireworks	Off	Off
	Flower	Off	Auto, Off, Fill Flash
	Manner/Museum	Off	Off
	Self-Portrait	Red-eye*	Auto, Off, Fill Flash, Red-eye
	Party	Red-eye*	Auto, Off, Fill Flash, Red-eye
	Children	Auto*	Auto, Off, Fill Flash, Red-eye
	Backlight	Fill	Fill
	Video	Off	Off
	First burst	Off	Off
	Last burst	Off	Off
	Exposure bracketing	Off	Off

* When you change to Auto or Red-eye in these modes, it becomes the default until you change it.

Using an external flash unit

Use an external flash unit when you want additional or specialized lighting. You can use the camera's built-in flash, as well, to provide extra fill flash.



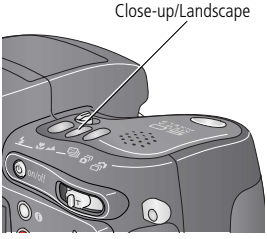
1. Turn off the camera and flash unit.
2. Open the External-flash-connector cover.
3. Plug your external-flash-unit cable into the External flash connector on the camera.

   The external flash unit is live when connected to the camera. The flash synchronizes at any shutter speed. Refer to your external flash unit user's guide for details.

NOTE: The connector accepts all standard external flash cables, maximum 500 volts.

Shooting close-up and landscape pictures

Use the Close-up/Landscape button / to take pictures of scenes that are very close or very far away. (Not available in Scene modes.)



1. Set the Mode dial to any Capture mode.
2. Press the Close-up/Landscape / button repeatedly until the or icon appears in the status bar.
3. Take a picture.

Close-up pictures

Use the Close-up setting to gain sharpness and detail in pictures at close range. Use available light instead of flash if possible. The camera automatically sets the focus distance depending on the zoom position:

Zoom position	Close-up distance
Wide angle	4.7 to 27.6 in. (0.12 to 0.7 cm)
Telephoto	3.9 to 6.9 ft (1.2 to 2.1 m)

See Tips for better pictures on page 34.

Landscape pictures

Use the Landscape setting to gain maximum sharpness of far away scenes. With this setting, the camera uses infinity auto-focus. Auto-focus framing marks (see page 9) are not available in Landscape.

Using exposure bracketing

Option	Description	Purpose
Exposure Bracketing	The camera takes 3 pictures — one at +, one at 0, and one at –exposure.	Determine the best exposure level for your conditions based on your evaluation of 3 pictures.

1 Set the exposure bracketing interval. (See Exposure Bracketing Interval, page 27.)

2 In most Still modes, press the Exposure bracketing button repeatedly to choose .

3 Press the Shutter button **halfway and hold** to set the auto focus and exposure.

4 Press the Shutter button **completely down** to take the pictures.

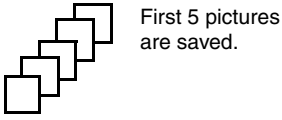
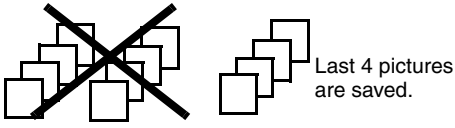
The camera takes 3 pictures. To evaluate them, press the Review button. Exposure bracketing turns off after the pictures are taken.

Using exposure compensation with exposure bracketing

In P, A, and S modes, you can use exposure compensation in conjunction with exposure bracketing.

If exposure compensation is set to	And if the exposure bracketing interval is set to	Then the exposures taken are
0.0	the default +/-0.3	–0.3, 0.0, +0.3
+1.0		+0.7, +1.0, +1.3
–1.0		–1.3, –1.0, –0.7

Using burst

Option	Description	Purpose
First Burst	Camera takes up to 5 pictures (2 per second) while the Shutter button is pressed. 	Capture an expected event. **Example:** A person swinging a golf club.
Last Burst	Camera takes up to 30 pictures (2 per second for up to 15 seconds) while the Shutter button is pressed. When the Shutter button is released, only the last 4 pictures are saved. 	Capture an event when the precise timing is uncertain. **Example:** A child blowing out birthday candles.

1. In most Still modes, press the Burst button repeatedly to choose an option.
2. Press the Shutter button **halfway and hold** to set the auto focus and exposure.
3. Press the Shutter button **completely down and hold it** to take the pictures.

   The camera stops taking pictures when you release the Shutter button, when the pictures are taken, or when there is no more storage space.

NOTE: The EVF/LCD screen will not display during burst.

Changing picture-taking settings

You can change settings to get the best results from your camera:

1. Turn the Mode dial to desired mode.
2. Press the Menu button. (Some settings are unavailable in some modes.)
3. Move the Joystick ▲/▼ to highlight a setting, then press the OK button.
4. Choose an option, then press the OK button.
5. Press the Menu button to exit.

Setting	Icon	Options and icons that appear in Liveview
Custom Exposure Mode Choose a preferred capture mode. (See Custom, page 15.) *This setting remains until you change it.*	P ASM	**Program (default)** (CP) **Aperture Priority** (CA) **Shutter Priority** (CS) **Manual** (CM) Available only in Custom (C) mode.
Self-Timer Turn the Self-Timer on or off. *This setting remains until you take the picture, turn the Mode dial, or turn off the camera.*		**On** **Off (default)**
Picture Size Choose a picture resolution. *This setting remains until you change it.*	★	**5.0 MP (default)—**for printing up to 20 x 30 in. (51 x 76 cm); pictures are highest resolution and largest file size. **4.4 MP (3:2)—** ideal for printing 4 x 6 in. (10 x 15 cm) prints without cropping. Also for printing up to 20 x 30 in. (51 x 76 cm) **4.0 MP—** for printing up to 20 x 30 in. (50 x 76 cm); pictures are medium resolution with smaller file size. **3.1 MP—**for printing up to 11 x 14 in. (28 x 36 cm); pictures are medium resolution with smaller file size. **1.8 MP—**for printing 4 x 6 in. (10 x 15 cm) prints, emailing, Internet, screen display, or for conserving space.

Setting	Icon	Options and icons that appear in Liveview
Compression Choose a compression. *This setting remains until you change it. The setting is displayed in the status area as "S" or "F."*	JPG	**Standard (default)** S **Fine** F NOTE: The Fine setting renders a larger file size.
White Balance Choose your lighting condition. *The EVF/LCD screen displays the chosen White Balance. This setting remains until you change it.*		**Auto (default)** AWB—automatically corrects white balance. Ideal for general picture-taking. **Daylight**—for pictures in natural lighting. **Tungsten**—corrects the orange cast of household light bulbs. Ideal for indoor pictures under tungsten or halogen lighting without flash. **Fluorescent**—corrects the green cast of fluorescent lighting. Ideal for indoor pictures under fluorescent lighting without flash. **Open Shade**—for pictures in the shade in natural lighting. Unavailable in Auto, Scene, or Video modes.
Exposure Bracketing Interval Choose an exposure bracketing interval. *P, A, S, M, C: This setting remains until you change it or take pictures.* *Auto, Scene: This setting remains until you turn the Mode dial or turn off the camera.*		**+/– 0.3 EV (default)** **+/– 0.7 EV** **+/–1.0 EV** See Using exposure bracketing, page 24.

Setting	Icon	Options and icons that appear in Liveview
Exposure Metering Evaluate light levels at specific areas of a scene. *This setting remains until you change it. The setting is displayed on the right side of Liveview if set to Center-weight or Center-spot.*		**Multi-Pattern (default)** —evaluates lighting conditions throughout the image to give an optimum picture exposure. Ideal for general picture-taking. **Center-Weight** —evaluates the lighting conditions of the subject centered in the viewfinder. Ideal for backlit subjects. **Center-Spot** —similar to Center-weight, except the metering is concentrated on a smaller area of the subject centered in the viewfinder. (A circle indicates the metering spot.) Ideal when you need an exact exposure of a specific area in the picture. Unavailable in Auto, Scene, or Video modes.
Focus Zone Choose a large or concentrated area of focus. *This setting remains until you change it. The setting is displayed on the right side of Liveview if set to Center-zone or Selectable-zone.*		**Multi-Zone (default)** —evaluates 3 zones to give an even picture focus. Ideal for general picture-taking. **Center-Zone** —evaluates the small area centered in the viewfinder. Ideal when precise focus of a specific area in the picture is needed. **Selectable-Zone** —move the focus brackets to center, left, or right. Unavailable in Auto, Scene, or Video modes.
AF Control Choose an auto-focus setting. *This setting remains until you change it.*		**Continuous AF (default)**—uses external AF sensor and TTL-AF (Through-The-Lens). Because the camera is always focusing, there is no need to press the Shutter button halfway down to focus. **Single AF** —uses external AF sensor and TTL-AF when the Shutter button is pressed halfway down. **Accessory Lens AF** —uses TTL-AF. Unavailable in Video mode.

Setting	Icon	Options and icons that appear in Liveview
Color Mode Choose color tones. *In Auto and Scene modes, this setting remains until you turn the Mode dial or turn off the camera.*		**High Color** **Natural Color (default)** **Low Color** **Black & White** **Sepia** (for pictures with a reddish-brown, antique look.) NOTE: EasyShare software also lets you change a color picture to black-and-white or sepia, but you cannot change a black-and-white or sepia picture to color. Unavailable in Video mode.
Sharpness Control picture sharpness. *This setting remains until you change it.*		**High** **Normal (default)** **Low** Unavailable in Auto, Scene, or Video modes.
Reset to Default Reset all picture-taking settings to the defaults.		**Reset** P, A, S, M, or C mode to its default setting.
Set Album (Still) Choose Album names. *This setting remains until you change it.*		**On** or **Off** Pre-select album names before you take pictures or videos. Then, all the pictures or videos you take are tagged with those album names. See page 32.
Image Storage Choose a storage location for pictures and videos. *This setting remains until you change it.*		**Auto (default)**—the camera uses the card if one is in the camera. If not, the camera uses internal memory. **Internal Memory**—the camera always uses internal memory, even if a card is inserted.
Video Length (Video) Choose a default video length (useful in self-timer videos).		**Continuous (default)**—as long as there is room on the card or internal memory, or until you press the Shutter button. Choose **5, 15, or 30 seconds** duration.
Setup Menu Choose additional settings.		See Using setup to customize your camera.

Using setup to customize your camera

1 In any mode, press the Menu button.

2 Move the Joy stick ▲/▼ to highlight Setup, then press the OK button.

3 Move the Joy stick ▲/▼ to highlight a setting, then press the OK button.

4 Choose an option, then press the OK button.

5 Press the Menu button to exit.

Setting	Icon	Options
Return to previous menu.		
Quickview Display a picture or video (for 5 seconds) after it is taken.		**On (default)** **Off**
Advanced Digital Zoom Choose how digital zoom is employed.		**Continuous** —no pause between optical and digital zoom. **Pause (default)**—after reaching 10X optical zoom, the zoom button must be released, then activated again to begin digital zoom. **None**—digital zoom is disabled.
Print Warning		**Pause (default)**—when the blue slider on the zoom indicator pauses during digital zoom, the zoom lever must be released and reactivated. The slider turns red when the picture may no longer render an acceptable 4 x 6 in. (10 x 15 cm) print. **None**—no pause.
Sound Themes		**Shutter Only** **Default** **Classical** **Jazz** **Sci-fi**

Setting	Icon	Options
Sound Volume		**Off** **Low (default)** **Medium** **High**
Mode Description Display mode description when entering a mode.		**On (default)** **Off**
Date & Time		See page 5.
Video Out Choose the regional setting that lets you connect the camera to a television or other external device.		**NTSC (default)—**used in North America and Japan. **PAL—**used in Europe and China.
Orientation Sensor Orient pictures so that they are displayed with the correct side up.		**On (default)** **Off**
Date Stamp Imprint the date on pictures.		Choose date format, or turn off the feature. (Default is off.)
Video Date Display		**On (default)—** choose from 3 date formats with or without hours and minutes. **Off**
Language		Choose a language (see page 4).
Format **CAUTION:** **Formatting deletes all pictures and videos, including those that are protected. Removing a card during formatting may damage the card.**		**Memory Card—**deletes everything on the card; formats the card. **Cancel—**exits without making a change. **Internal Memory—**deletes everything in internal memory including email addresses, album names, and favorites; formats the internal memory.
About View camera information.		Camera model/firmware information.

Putting yourself in the picture or video

Use the Self-Timer to create a 10-second delay between the time you press the Shutter button and the time the picture or video is taken.

1. Place the camera on a flat surface or tripod.
2. Select the desired Still or Video mode.
3. Press the Menu button.
4. Move the Joystick ▲/▼ to highlight Self-Timer, then press the OK button.
5. Press ▲ to highlight ON, then press the OK button.
6. Compose the scene. Then press the Shutter button **halfway and hold** to set the exposure and focus, then press **completely down**. Quickly position yourself in the scene.

   The Self-Timer light on the front of the camera blinks slowly for 8 seconds (then quickly for 2 seconds) before the picture/video is taken.

   The Self-Timer turns off after you take the picture/video or if you change modes.

NOTE: The default Video Length is Continuous. The video will stop when you press the Shutter button or when no storage space remains. To change the video length, see page 29. To turn off the Self-Timer camera sounds, see page 30.

Pre-tagging for album names

Use the Set Album (Still or Video) feature to pre-select album names before you take pictures or videos. Then, all the pictures or videos you take are tagged with those album names.

First—on your computer

Use Kodak EasyShare software that came with your camera (see page 44) to create album names on your computer. (To get the latest version of EasyShare software, go to www.kodak.com/go/dx7590downloads.) Then copy up to 32 album names to the camera's album name list the next time you connect the camera to the computer. See Kodak EasyShare software Help for details.

Second—on your camera

1 In any mode, press the Menu button.

2 Move the Joystick ▲/▼ to highlight Set Album, then press the OK button.

3 Move the Joystick ▲/▼ to highlight an album name, then press the OK button. Repeat to select more than one album name.

Selected albums are noted with a check mark.

4 To remove a selection, highlight an album name and press the OK button. To remove all album selections, select Clear All.

5 Highlight Exit, then press the OK button.

Your selections are saved. If you turn on the camera screen, your album selection is displayed on the screen. A plus (+) after the album name means more than one album is selected.

6 Press the Menu button to exit the menu.

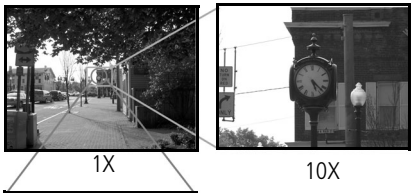
Third—transfer to your computer

When you transfer the tagged pictures and videos to your computer (see page 51), the Kodak EasyShare software opens and categorizes your pictures and videos in the appropriate album. See the Kodak EasyShare software Help for details.

Tips for better pictures

Zoom

When you use longer zoom ranges, place the camera on a flat, steady surface or ideally use a tripod.



1X

10X

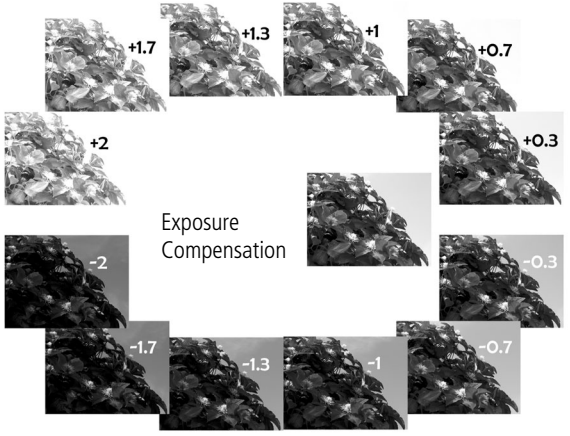
30X (digital)

Images taken at f/3.7, 1/500 second

Exposure compensation

When you want to control the exposure of backlit subjects or take images in varied light, use exposure compensation.

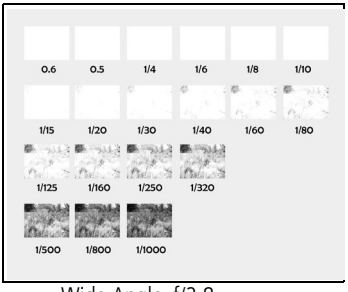
If the picture is too light, decrease (–) the setting; if it's too dark, increase (+) the setting. Use the Jog dial to access this function (see page 19).



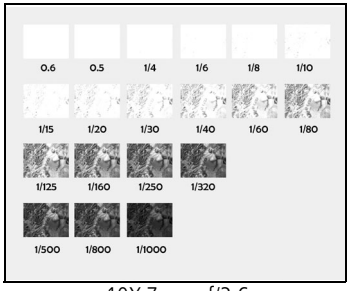
Aperture and shutter speed (Manual mode)

You can manually choose the best combination of lens aperture (f-number) and shutter speed to obtain the appropriate exposure compensation for your particular setting.

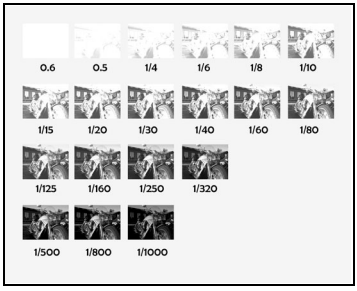
Images have a greater focus range with a larger f-number, such as f/8. But it is not the best choice when shooting a moving object, so a smaller f-number is preferred, such as f/2.8.



Wide Angle, f/2.8



10X Zoom, f/3.6



f/8

NOTE: Some of the shutter speeds are not shown.

Fill flash

Fill flash is included on your camera (see page 21), and is a popular feature. Use fill flash for sunny-day portraits to fill in those dark shadows under the eyes, nose, or under the rim of a baseball hat. It's also useful for side- and back-lit scenes with nearby people or objects with detail you want to reveal.

Use Exposure Compensation, or Flash Compensation when needed, by adjusting the Jog dial (see page 18).

Fill-flash on

Fill-flash off

Images taken in Portrait mode

Close ups with a close-up mode

The flower icon on the camera indicates you have Close-up mode. Once in Close-up mode, your camera takes sharp pictures at close range (see page 24). The camera automatically sets the focus distance depending on the zoom position. Use available light instead of the flash, if possible.

Close-up telephoto lets you keep your distance from the subject when you want to capture butterflies and bees on flowers without disturbing them.

Close-up wide at 5 in. (12.7 cm)

Close-up telephoto at 30 in. (76.2 cm)

Images taken at f/5,1/500 second

3 Reviewing pictures and videos

Press the Review button to view and work with your pictures and videos. To save battery power, use the optional Kodak EasyShare camera or printer dock, or Kodak 5-volt AC adapter. (See www.kodak.com/go/dx7590accessories.)

Viewing single pictures and videos

1 Press the Review button.

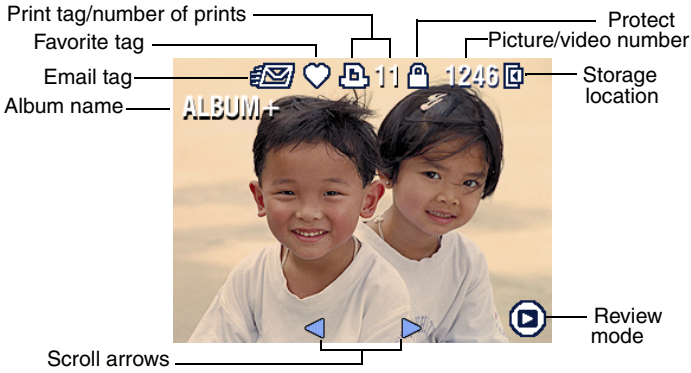
2 Move the Joystick ◀/▶ to scroll backward or forward through pictures and videos. (For fast scrolling, hold the Joystick ◀/▶.)

3 Press the Review button to exit Review.

NOTE: Pictures taken at the 4.4 MP (3:2) quality setting are displayed at a 3:2 aspect ratio with a black bar at the top of the screen.

Checking camera status review mode

Press the Review button. The applied features of the current picture or video are displayed:



Viewing multiple pictures and videos

1 Press the Review button.

2 Move the Joystick ▼.

NOTE: You can also press the Menu button, highlight Multi-up, then press the OK button.

Thumbnails of pictures and videos are displayed.

To display the previous or next row of thumbnails, move the Joystick ▲/▼.

To scroll through the thumbnails one at a time, move the Joystick ◀/▶.

To display a single view of the selected picture, press the OK button.

Playing a video

1 Press the Review button.

2 Move the Joystick ◀/▶ to locate a video. (In Multi-up view, highlight a video, then press the OK button. When a video is highlighted in Multi-up view, the video duration is displayed at the top of the camera screen.)

3 To play or pause a video, press the OK button.

NOTE: You can also press the Menu button, highlight, then press the OK button.

To adjust the volume, move the Joystick ▲/▼.

To return to the beginning of the video, move the Joystick ◀ during playback.

To replay the video, press the OK button.

To go to the previous or next picture or video, move the Joystick ◀/▶.

Deleting pictures and videos

1 Press the Review button.

2 Move the Joystick ◀/▶ to locate a picture or video (or highlight one in Multi-up view), then press the Delete button.

3 Move the Joystick ▲/▼ to highlight an option, then press the OK button:

PICTURE or VIDEO—deletes the displayed picture or video.

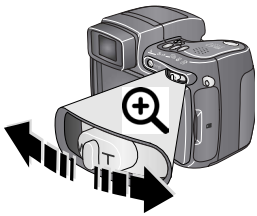
EXIT—exits the Delete screen.

ALL—deletes all pictures and videos from your current storage location.

To delete more pictures and videos, return to Step 2.

NOTE: You cannot delete protected pictures and videos this way. Remove protection before deleting (see page 40).

Magnifying pictures



1 Press the Review button.

2 Push the Zoom button to magnify the picture between 1X and 8X.
To see different parts of the picture, move the Joystick ▲/▼ ◀/▶.
To redisplay the picture at the 1X (original) size, press the OK button.

To exit Magnify, press the OK button.

To exit Review, press the Review button.

Changing optional review settings

In Review, press the Menu button to access optional review settings.

	Album (page 40)		Copy (page 43)
	Protect (page 40)		Multi-Up (page 38)
	Image Storage (page 29)		Picture/Video Information (page 40)
	Slide Show (page 41)		Setup Menu (page 30)

Protecting pictures and videos from deletion

1 Press the Review button.

2 Press the Menu button.

3 Move the Joystick ▲/▼ to highlight Protect 🔒, then press the OK button.

The picture or video is protected and cannot be deleted. The Protect icon 🔒 appears with the protected picture or video.

4 To remove protection, press the OK button again.

5 Press the Menu button to exit the menu.

CAUTION:
Formatting internal memory or an SD or MMC card deletes all (including protected) pictures, videos. (Formatting internal memory also deletes email addresses, album names, and favorites. To restore them, see EasyShare software Help.)

Viewing picture/video information

1 Press the Review button.

2 Move the Joystick ◀/▶ to highlight a picture/video.

3 Press the Status ⓘ button once or twice to see information about the picture/video.

Tagging pictures/videos for albums

Use the Album feature in Review to tag the pictures and videos in your camera with album names.

First—on your computer

Use Kodak EasyShare software that came with your camera (see page 44) to create album names on your computer. (To get the latest version of EasyShare software, go to www.kodak.com/go/dx7590downloads.) Then copy up to 32 album names to the camera's internal memory. See Kodak EasyShare software Help for details.

Second—on your camera

1 Press the Review button.

2 Press the Menu button.

3 Move the Joystick ▲/▼ to highlight Album, then press the OK button.

4 Move the Joystick ▲/▼ to highlight an album, then press the OK button.

To add other pictures to the same album, move the Joystick ◀/▶ to scroll through pictures. When you see the picture you want, press the OK button.

To add the pictures to more than one album, repeat step 4 for each album.

The album name appears with the picture. A plus (+) after the album name means the picture was added to more than one album.

To remove a selection, highlight an album name and press the OK button. To remove all album selections, select Clear All.

Third—transfer to your computer

When you transfer the tagged pictures and videos to your computer (see page 51), the Kodak EasyShare software opens and categorizes your pictures and videos in the appropriate album. See Kodak EasyShare software Help for details.

Running a slide show

Use the Slide Show to display your pictures and videos on the camera screen. To run a slide show on a television or on any external device, see page 42. To save battery power, use an optional Kodak 5V AC adapter. (Visit www.kodak.com/go/dx7590accessories.)

Starting the slide show

1 Press the Review button, then press the Menu button.

2 Move the Joystick ▲/▼ to highlight Slide Show, then press the OK button.

3 Move the Joystick ▲/▼ to highlight Begin Show, then press the OK button.

Each picture and video is displayed once, in the order in which you took them.

To interrupt the Slide Show, press the OK button.

Changing the slide show display interval

The default interval setting displays each picture for 5 seconds. You can change the display interval from 3 seconds to 60 seconds.

1 On the Slide Show menu, move the Joystick ▲/▼ to highlight Interval, then press the OK button.

2 Select a display interval.

To scroll through the seconds quickly, hold the Joystick ▲/▼.

3 Press the OK button.

The interval setting remains until you change it.

Running a continuous slide show loop

When you turn on Loop, the slide show is continuously repeated.

1 On the Slide Show menu, move the Joystick ▲/▼ to highlight Loop, then press the OK button.

2 Move the Joystick ▲/▼ to highlight On, then press the OK button.

The slide show repeats until you press the OK button or until battery power is exhausted.

Displaying pictures and videos on a television

You can display pictures and videos on a television, computer monitor, or any device equipped with a video input. (Image quality on a television screen may not be as good as on a computer monitor or when printed.)

NOTE: Ensure that the Video Out setting (NTSC or PAL) is correct (see page 31). The slide show stops if you connect or disconnect the cable while the slide show is running.

1 Connect the audio/video cable (included) from the camera video-out port to the television video-in port (yellow) and audio-in port (white). See your television user's guide for details.

2 Review pictures and videos on the television.

Copying pictures and videos

You can copy pictures and videos from a card to internal memory or from internal memory to a card.

Before you copy, make sure that:

- A card is inserted in the camera.
- The camera's picture storage location is set to the location **from** which you are copying. See Image Storage, page 29.

Copy pictures or videos:

1. Press the Review button, then press the Menu button.
2. Move the Joystick ▲/▼ to highlight Copy ▶▶, then press the OK button.
3. Move the Joystick ▲/▼ to highlight an option:

   PICTURE or VIDEO—copies the current picture or video.

   EXIT—returns to the Review menu.

   ALL—copies all pictures and videos from your selected storage location to the other location.
4. Press the OK button.

NOTE: Pictures and videos are copied, not moved. To remove pictures and videos from the original location after they are copied, delete them (see page 39).

Tags that you applied for print, email, and favorites are not copied. Protection settings are not copied. To apply protection to a picture or video, see page 40.

4 Installing the software

Minimum system requirements

- Windows 98, 98SE, ME, 2000 SPI, or XP OS

  Internet Explorer 5.01 or higher

  233 MHz processor or greater
- Macintosh OS X 10.2.3, 10.3

  Safari 1.0 or higher

Minimum hardware requirements

- 128MB RAM (64 MB RAM for Windows 98, 98SE, 2000 SPI, or ME OS)
- 200 MB hard disk space available
- CD-ROM drive
- Available USB port

Install the software

CAUTION:
Install Kodak EasyShare software *before* **connecting the camera or optional dock to the computer. Failure to do so may cause the software to install incorrectly.**

1. Close all software applications that are open on your computer (including anti-virus software).
2. Place the Kodak EasyShare software CD into the CD-ROM drive.
3. Install the software:

   Windows OS-based computer—if the install window does not appear, choose Run from the Start menu and type **d:\setup.exe** where **d** is the drive letter that contains the CD.

   Mac OS X—double-click the CD icon on the desktop, then click the Install icon.
4. Follow the on-screen instructions to install the software.

   Windows OS-based computer—select Complete to automatically install all the applications. Select Custom to choose the applications you wish to install.

   Mac OS X—follow the on-screen instructions.

NOTE: When prompted, take a few minutes to electronically register your camera and software. This lets you receive information regarding software updates and registers some of the products included with the camera. You must be connected to your Internet service provider to register electronically. To register later, see www.kodak.com/go/register.

5. Restart the computer. If you turned off anti-virus software, turn it back on. See the anti-virus software manual for details.

For information on the software applications included on the Kodak EasyShare software CD, click the Help button in the Kodak EasyShare software.

5 Sharing pictures and videos

Press the Share button to "tag" your pictures and videos.

When they are transferred to your computer, you can share them by:

		Pictures	Videos
	Print (page 47)	✔	
	Email (page 47)	✔	✔
	Favorites (page 49) for easy organization on your computer and for sharing on your camera	✔	✔

NOTE: Share tags remain until removed. If a tagged picture/video is copied on the camera, the Share tag is **not** copied. (If a tagged picture/video is copied in EasyShare software, the Share tag is copied.) In a burst series, only the last picture is tagged during Quickview.

When can I tag my pictures and videos?

Press the Share button to tag pictures/videos:

- Any time (The most recent picture/video taken is displayed.)
- Just after you take a picture/video, during Quickview (see page 12).
- After pressing the Review button (see page 37).

Tagging pictures for printing

1 Press the Share button. Move the Joystick ◀/▶ to locate a picture.

2 Move the Joystick ▲/▼ to highlight Print, then press the OK button.*

3 Move the Joystick ▲/▼ to select the number of copies (0-99). Zero removes the tag for that picture.

The Print icon appears in the status area. The default quantity is one.

4 **Optional:** You can apply a print quantity to other pictures. Move the Joystick ◀/▶ to locate a picture. Keep the print quantity as is, or press ▲/▼ to change it. Repeat this step until the desired print quantity is applied to the pictures.

5 Press the OK button. Then press the Share button to exit the menu.

* To tag all pictures in the storage location, highlight Print All, press the OK button, then indicate the number of copies as described above. Print All is not available in Quickview.

To remove the print tagging for all pictures in the storage location:

- Highlight Cancel Prints, then press the OK button.
- Select either Yes or No to delete all prints.
- Press the OK button.

Cancel Prints is not available in Quickview.

Printing tagged pictures

When you transfer the tagged pictures to your computer, the Kodak EasyShare software print screen opens. For details on printing, click the Help button in the Kodak EasyShare software. For more information on printing from your computer, printer dock, or card, see page 51.

NOTE: For the best 4 x 6 in. (10 x 15 cm) prints, set the camera to the 4.4 MP (3:2) print quality setting (see page 26).

Tagging pictures and videos for emailing

First—on your computer

Use Kodak EasyShare software that came with your camera to create an email address book on your computer. (To know the latest version EasyShare software, go to www.kodak.com/go/dx7590downloads.) Then copy up to 32 email addresses to the camera's internal memory. See the Kodak EasyShare software Help for details.

Second—tag pictures/videos on your camera

1 Press the Share button. Move the Joystick ◀/▶ to locate a picture/video.

2 Move the Joystick ▲/▼ to highlight Email, then press the OK button.

The Email icon appears in the status area.

3 Move the Joystick ▲/▼ to highlight an email address, then press the OK button.

To tag other pictures/videos with the same address, move the Joystick ◀/▶ to scroll through them. When the picture you want is displayed, press OK.

To send the pictures/videos to more than one address, repeat step 3 for each address.

Selected addresses are checked.

4 To remove a selection, highlight a checked address and press the OK button. To remove all email selections, highlight Clear All.

5 Move the Joystick ▲/▼ to highlight Exit, then press the OK button.

The Email icon appears in the status area.

6 Press the Share button to exit the menu.

Third—transfer and email

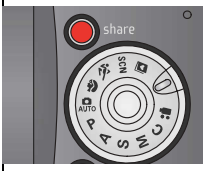
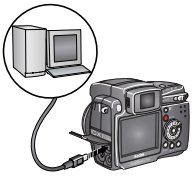
When you transfer the tagged pictures and videos to your computer (see page 51), the email screen opens and lets you send them to the addresses you specified. See the Kodak EasyShare software Help for details.

Tagging pictures as favorites

You can store your favorite pictures in the Favorites section of your camera's internal memory, then share them with friends and family.

NOTE: When you transfer pictures from your camera to your computer, all pictures (including favorites) are stored on your computer at full size. Favorite pictures—smaller copies of your originals—are loaded back to your camera, so you can share and enjoy more.

Share your favorite pictures in 4 easy steps:

1. Take pictures 	
2. Tag pictures as favorites 	**1** Press the Share button. Move the Joystick ◀/▶ to locate a picture. **2** Move the Joystick ▲/▼ to highlight Favorite ♥, then press the OK button. *The Favorite icon ♥ appears in the status area. To remove the tag, press the OK button again.* Press the Share button to exit the menu.
3. Transfer pictures to your computer 	**1** To enjoy full functionality, load and use Kodak EasyShare software that came with your camera (see page 44). **2** Connect the camera to the computer using the USB cable (see page 51) or an EasyShare dock. *The first time you transfer pictures, a software wizard helps you make choices about your favorite pictures. Then, your pictures are transferred to the computer. Favorite pictures are loaded to the Favorites section of your camera's internal memory.*
4. View favorites on your camera 	**1** Turn the Mode dial to Favorites. **2** Move the Joystick ◀/▶ to scroll through favorites. To exit Favorites mode, turn the Mode dial to any other position. To view pictures/videos on a card or in non-favorite internal memory, press the Review button. (See page 37.)

NOTE: The camera holds a limited number of favorites. Use Camera Favorites in the EasyShare software to customize the size of your camera Favorites section. For more information, click the Help button in the Kodak EasyShare software.

Optional settings

In Favorites mode, press the Menu button to access optional settings.

	Slide Show (page 41)		Remove all favorites (page 50)
	Multi-up (page 38)		Setup Menu (page 30)

NOTE: Pictures taken at the 4.4 MP (3:2) quality setting are displayed at a 3:2 aspect ratio with a black bar at the top of the screen. (See Picture Size, page 26.)

Removing all favorites from your camera

1 Turn the Mode dial to Favorites.

2 Press the Menu button.

3 Highlight , then press the OK button.

All pictures stored in the Favorites section of internal memory are removed. Favorites are restored to your camera the next time you transfer pictures to the computer. To remove single favorites, do so in EasyShare software.

4 Press the Menu button to exit the menu.

Preventing favorites from transferring to the camera

1 Open the Kodak EasyShare software. Click the My Collection tab.

2 Go to the Albums view.

3 Click the Camera Favorites Album for your camera.

4 Click Remove Album.

The next time you transfer pictures from your camera to the computer, use the Camera Favorites Wizard/Assistant in EasyShare software to recreate your Camera Favorites Album or to turn off the Camera Favorites feature.

Printing and emailing favorites

1 Turn the Mode dial to Favorites. Press ◀/▶ to locate a picture.

2 Press the Share button.

3 Highlight Print or Email, then press the OK button.

NOTE: Favorites that were taken on this camera (not imported from another source) are good for a 4 x 6 in. (10 x 15 cm) print.

6 Transferring and printing pictures

CAUTION:
Install Kodak EasyShare software *before* **connecting the camera or optional dock to the computer. Failure to do so may cause the software to install incorrectly.**

Transferring pictures/videos with the USB cable

1. Turn off the camera.
2. Plug the labeled ⇳ end of the USB cable into the labeled USB port on your computer. See your computer user's guide for details.
3. Plug the other end of the USB cable into the labeled USB port on the camera.
4. Turn on the camera.

   Kodak EasyShare software opens on your computer. The software prompts you through the transfer process.

NOTE: Visit www.kodak.com/go/howto for an online tutorial on connecting.

Also available for transferring

You can also use these Kodak products to transfer your pictures and videos:

- Kodak EasyShare camera dock, Kodak EasyShare printer dock
- Kodak multi-card reader, Kodak SD multimedia card reader-writer

Purchase these and other accessories at a dealer of Kodak products or www.kodak.com/go/dx7590accessories.

Printing from a Kodak EasyShare printer dock or your computer

Computer—Click the Help button in the Kodak EasyShare software for details on printing from your computer.

Printer dock—Dock your camera to the Kodak EasyShare printer dock and print directly with or without a computer. Purchase this and other accessories at a dealer of Kodak products or www.kodak.com/go/dx7590accessories.

Printing from an optional SD or MMC card

- Automatically print tagged pictures when you insert your card into a printer with an SD or MMC card slot. See your printer user's guide for details.
- Make prints at an SD or MMC card-capable Kodak picture maker. (Contact a location prior to visiting. See www.kodak.com/go/picturemaker.)
- Take the card to your local photo retailer for professional printing.

Ordering prints online

Kodak EasyShare print service (provided by Ofoto, www.ofoto.com) is one of the many online print services offered in the Kodak EasyShare software. You can easily:

- Upload your pictures.
- Edit, enhance, and add borders to your pictures.
- Store pictures, and share them with family and friends.
- Order high-quality prints, photo greeting cards, frames, and albums—and have them delivered to your door.

Direct printing with a PictBridge-enabled printer

Your camera features PictBridge technology, which lets you print directly to PictBridge-enabled printers, without a computer. You need:

- Camera with fully charged batteries, or with optional Kodak 5-volt AC adapter
- PictBridge-enabled printer
- USB cable included with your camera

Connecting the camera to the printer

1 Turn off the camera and printer.

2 Optional: If you have a Kodak 5-volt AC adapter (optional accessory), plug it into the camera and into an electrical outlet.

IMPORTANT: *Do not use the AC adapter included with the Kodak EasyShare camera dock or printer dock to power your camera.*

3 Using the USB cable that came with your camera, connect the camera to the printer. (See your printer user's guide for details.)

Printing pictures

1 Turn on the printer. Turn the camera Mode dial to Auto.

The PictBridge logo is displayed, followed by the current picture and menu. (If no pictures are found, a message is displayed.) If the menu interface turns off, press any button to redisplay it.

2 Move the Joystick ▲/▼ to choose a printing option, then press the OK button.

Current Picture	Press ◀/▶ to choose a picture. Choose the number of copies.
Tagged Pictures	If your printer is capable, print pictures that you tagged for printing (see page 47) and choose a print size.
Index Print	Print thumbnails of all pictures. This requires one or more sheets of paper. If the printer is capable, choose a print size.
All Pictures	Print all pictures in internal memory, on a card, or in Favorites. Choose the number of copies.
Image Storage	Access internal memory, a card, or Favorites.

NOTE: During direct printing, pictures are not permanently transferred or saved to the computer or printer. To transfer pictures to your computer, see page 51. If you turned the Mode dial to Favorites, the current favorite picture is displayed.

Disconnecting the camera from the printer

1 Turn off the camera and printer.

2 Disconnect the USB cable from the camera and the printer.

7 Troubleshooting

When you have questions about your camera, start here. Additional technical information is available in the ReadMe file located on the Kodak EasyShare software CD. For updates to Troubleshooting information, see www.kodak.com/go/dx7590support.

Camera problems

If...	Try one or more of the following
Camera does not turn on Camera does not turn off and the lens does not retract Camera buttons and controls do not function	■ Remove battery and verify that it's the correct type, then reinsert it. ■ Insert a charged battery. ■ Place the camera on a Kodak EasyShare camera or printer dock (sold separately), then try again. ■ Connect the camera to a Kodak 5-volt AC adapter (sold separately), then try again. See page 2 for more battery information.
Lens does not extend when camera turns on or does not retract	■ Confirm that the battery in camera is charged. ■ Turn camera on and off again. ■ If problem still exists, get help (see page 59).
EVF/LCD screen is black or does not turn on	■ Remove the lens cap. ■ Push the EVF/LCD toggle button to change display.
In Review, a blue or black screen is displayed instead of a picture	■ Transfer the picture to the computer. ■ Transfer *all* pictures to the computer (see page 51). ■ Take another picture. If problem still continues try internal memory and/or another memory card.
Pictures remaining number does not decrease after taking a picture	■ Continue taking pictures. The camera is operating normally. (The camera estimates the number of pictures remaining after each picture is taken, based on picture size and content.)
Picture orientation is not accurate	■ Set the Orientation Sensor to ON (page 31).

If...	Try one or more of the following
Flash does not fire	■ Open the flash unit (page 20). ■ Check the flash setting and change as needed (page 20).
Storage location is almost or entirely full	■ Transfer pictures to the computer (page 51). ■ Delete pictures from the card or insert a new one (page 7). ■ Change image storage location to internal memory (page 29).
Battery life is short	■ Wipe the contacts with a clean, dry cloth (page 64) before inserting a battery in the camera. ■ Insert a charged battery (page 2).
You cannot take a picture	■ Turn the camera off, then on again. ■ Depress shutter button all the way (page 8). ■ Insert a charged battery (page 2). ■ Wait until the AF/AE indicator turns green before attempting to take another picture. ■ Memory full. Transfer pictures to the computer (page 51), delete pictures from the camera (page 39) or card, change image storage location, or insert a new card.
Error message appears on EVF/LCD screen	■ Turn the camera off. ■ Remove memory card from the camera. ■ Remove the battery and wipe the contacts with a clean, dry cloth (page 64). ■ Reinstall the battery. ■ Turn on the camera. ■ If all else fails, get customer support help (see page 60).
Memory card not recognized or camera freezes with card.	■ Card may be corrupted. Format card in camera (see page 7). ■ Use another memory card.

Computer/connectivity problems

If...	Try one or more of the following
Computer does not communicate with the camera	■ Turn on the camera. ■ Insert a charged battery (page 2). ■ Make sure USB cable is securely connected on camera and computer port (page 51). ■ Make sure the EasyShare software is installed (page 44).
Pictures do not transfer to computer	■ Click the Help button in the EasyShare software.
Slide Show does not run on an external video device	■ Adjust the camera Video Out setting (NTSC or PAL, page 31). ■ Make sure the external device settings are correct (see the device's user's guide).

Picture quality problems

If...	Try one or more of the following
Picture is too dark or underexposed	■ Reposition camera for more available light. ■ Use Fill flash (page 20) or change your position so light is not behind the subject. ■ Move so that the distance between you and the subject is within the effective flash range (page 20). ■ To automatically set exposure and focus, press the Shutter button **halfway and hold**. When the AF/AE indicator turns green, press the Shutter button **completely down** to take the picture. ■ Use P mode to adjust the Exposure and Flash Compensations (page 19). ■ Use P mode (page 19) and Selectable Zone (see Focus Zone on page 28).
Picture is too light	■ Reposition camera to reduce the amount of available light. ■ Turn flash off (page 20). ■ Move so that the distance between you and the subject is within the effective flash range (page 20). ■ To automatically set exposure and focus, press the Shutter button **halfway and hold**. When the AF/AE indicator turns green, press the Shutter button **completely down** to take the picture. ■ Use P mode to adjust the Exposure and Flash Compensations (page 19).

If...	Try one or more of the following
Picture is not clear	■ To automatically set exposure and focus, press the Shutter button **halfway and hold**. When the AF/AE indicator turns green, press the Shutter button **completely down** to take the picture. ■ Clean the lens (page 64). ■ Make sure camera is not in Close-up mode if you are more than 21 in. (0.7 m) from your subject. ■ Place the camera on a flat, steady surface or use a tripod, especially in high-zoom settings or in low light.

Power-ring-light status

Status	Cause
Power ring does not turn on and the camera does not work.	■ Turn on the camera. ■ Recharge the battery or install a new one (page 2). ■ Turn Mode dial off, then back on.
Power ring glows steady green.	■ Camera is on and ready to take a picture or video.
Power ring glows steady amber.	■ Camera is in Favorite mode. ■ Camera firmware update is in process. ■ Camera is connected to computer, USB connection is active. ■ Date and time set with lens retracted.
Power ring blinks green.	■ Camera turned off while picture is being processed and saved. Camera operating normally. Processing is completed before power off. ■ Do not remove the card while the light is blinking. ■ Camera operating normally at power up. Take pictures when the blinking stops. ■ Camera operating normally during connect mode to computer.
Power ring blinks amber.	■ Battery is low or exhausted. Recharge the battery (page 2). ■ Internal camera temperature is too high. Turn the camera off for several minutes; then turn it back on. If the condition continues, get help (page 60).

Direct printing problems

Status	Cause	Solution
Cannot locate desired picture.	The Mode dial is set to Favorites.	Turn the Mode dial to Auto.
	Camera is accessing a card or internal memory.	Use the Direct print menu to change the image storage location.
The Direct print menu interface turns off.	The menu interface has timed out.	Press any button to redisplay it.
Cannot print pictures.	There is a connection issue.	Ensure that there is a connection between camera and printer (page 53).
	There is a power issue.	Ensure the printer and camera have power (page 53).
Camera or printer display an error message.	There is a camera or printer issue.	Follow the prompts to resolve the issue.

Still having problems?

Visit www.kodak.com/go/dx7590support, or see Chapter 8, Getting help.

For Direct printing issues, contact the printer manufacturer.

8 Getting help

Helpful links

Camera

Get support for your product (FAQs, troubleshooting information, etc.)	www.kodak.com/go/dx7590support
Purchase camera accessories (camera docks, printer docks, lenses, cards, etc.)	www.kodak.com/go/dx7590accessories
Download the latest camera software and firmware	www.kodak.com/go/dx7590downloads
See online demonstrations of your camera	www.kodak.com/go/howto

Software

Get information on Kodak EasyShare software	www.kodak.com/go/easysharesw or click the Help button in the EasyShare software
Help with Windows operating system and working with digital pictures	www.kodak.com/go/pcbasics

Other

Get support for cameras, software, accessories, more	www.kodak.com/go/support
Get information on Kodak EasyShare printer docks	www.kodak.com/go/printerdocks
Get information on Kodak inkjet products	www.kodak.com/go/inkjet
Optimize your printer for truer, more vibrant colors	www.kodak.com/go/onetouch
Register your camera	www.kodak.com/go/register

Telephone customer support

If you have questions concerning the operation of the software or camera, you may speak with a customer support representative.

Before you call

Have the camera, camera dock, or printer dock connected to your computer. Be at your computer, and have the following information available:

- Computer model
- Operating system
- Processor type and speed (MHz)
- Amount of memory (MB)
- Amount of free hard disk space
- Camera serial number
- Version of Kodak EasyShare software
- Exact error message you received

Australia	1800 147 701	Korea	00798 631 0024
Austria	0179 567 357	Netherlands	020 346 9372
Belgium	02 713 14 45	New Zealand	0800 440 786
Brazil	0800 150000	Norway	23 16 21 33
Canada	1 800 465 6325	Philippines/ Metro Manila only	1 800 1 888 9600 632 6369600
China	800 820 6027	Portugal	021 415 4125
Denmark	3 848 71 30	Singapore	800 6363 036
Indonesia	001 803 631 0010	Spain	91 749 76 53
Ireland	01 407 3054	Sweden	08 587 704 21
Finland	0800 1 17056	Switzerland	01 838 53 51
France	01 55 1740 77	Taiwan	0800 096 868
Germany	069 5007 0035	Thailand	001 800 631 0017
Greece	00800 441 25605	United Kingdom	0870 243 0270
Hong Kong	800 901 514	United States	1 800 235 6325
India	91 22 617 5823	Outside the United States	585 726 7260
Italy	02 696 33452	International Toll Line	+44 131 458 6714
Japan	03 5540 9002	International Toll Fax	+44 131 458 6962

For the most up-to-date listings, visit:
http://www.kodak.com/US/en/digital/contacts/DAIInternationalContacts.shtml

9 Appendix

Camera specifications

For more specifications, visit www.kodak.com/go/dx7590support.

Kodak EasyShare DX7590 zoom digital camera	
CCD (charge-coupled device)	
CCD	1/2.5 in. CCD, 4:3 aspect ratio
Output image size (picture size)	2576 x 1932 (5.0 M) pixels 2576 x 1716 (4.4 M) pixels 2304 x 1728 (4.0 M) pixels 2048 x 1536 (3.1 M) pixels 1552 x 1164 (1.8 M) pixels
Display	
Color LCD	Hybrid high-resolution display 2.2 in. (55.9 mm); 640 x 240 (153K) pixels
Color Viewfinder—Electronic (EVF)	LCD and EVF not simultaneous; 0.26 in. (6.5 mm), (311k) pixels.
Preview (LCD/EVF)	Frame rate: 30 fps
Lens	
Taking lens	10X optical zoom lens, f/2.8–f/3.7, 38–380 mm (35 mm equivalent)
Focus system	Hybrid AF External Passive Sensor; Multi-, Center-, or Selectable-Zones. Continuous AF in movie and preview modes. Working range: Standard wide: 2.0 ft (0.6 m) to infinity Standard tele: 6.6 ft (2.0 m) to infinity Close-up wide: 4.7 to 27.6 in. (0.12 to 0.7 cm) Close-up tele: 3.9 to 6.9 ft (1.2 to 2.1 m) Wide and tele infinity: 65.6 ft (20 m) to infinity
Digital zoom	3.0X continuous advanced zoom, 0.2X increments that starts at 10X optical zoom (LCD display mode)
Optical zoom	10X, 38–380 mm (35 mm equivalent); F= 6.32–63.2 mm actual

Kodak EasyShare DX7590 zoom digital camera	
Accessory lens thread	Yes (inside lens ring)
Lens barrier	Lens cap
Exposure	
Exposure metering	TTL–AE with program modes; Multi-Pattern AE, Center-Weight AE, Center-Spot AE
Exposure range	AE range: EV 5.3 to 16.0 (@ wide) Full range: EV 0 to 16.0 (@ wide)
Exposure mode	Programmed AE mode: Auto, P, A, S, M, and C, Scene modes. Aperture Priority AE: f/2.8–f/8 @ wide Shutter Priority AE: 16–1/1000 sec. @ wide Full Manual Exposure (Noise Reduction: subtraction of black image @ >0.7 sec.) Exposure Compensation: +2.0 EV with 1/3 EV step
Shutter speed	Mechanical shutter with CCD electrical. Auto 16–1/1700 sec., Manual 16–1/1000 sec.
ISO speed	Auto: 80,100, 200, 400, and 800 (800 @ 1.8 MP) Selectable: P, A, S, M, and C Mode
Flash	
Electronic flash	Guide no. 12 @ ISO 140; auto flash with photo sensor Working range: Wide: 2–16.1 ft (0.6–4.9 m) @ ISO 140 Tele: 6.6–12.1 ft (2.0–3.7 m) @ ISO 140
Flash modes	Auto, Fill, Red-eye, Off
External flash sync	Yes, 500-volts maximum
Capture	
Capture modes	Auto, Program, Aperture Priority, Shutter Priority, Manual, Custom, Sport, Portrait, Scenes (14), Burst, Video
Jog dial	Used to adjust Exposure Compensation, Aperture Priority AE, Shutter Priority AE, ISO, Flash Compensation, Full Manual Exposure.
Burst mode	First Burst 5 pictures; Last Burst 4 pictures; both @ 2.0 fps (AE, AF, AWB executed for first shot only.)
Still image buffer	32 MB internal memory

Kodak EasyShare DX7590 zoom digital camera	
Video capture	Image size/frame rate: VGA (640 x 480) at 12 fps, QVGA (320 x 240) at 20 fps
Image file format	Still: EXIF 2.2 (JPEG compression), file organization DCF Video: QuickTime (CODEC MPEG4)
Image storage	Optional MMC or SD Card (The SD logo is a trademark of the SD Card Association.)
Internal storage capacity	32 MB internal memory
Review	
Quickview	Yes
Video output	NTSC or PAL
Power	
Kodak EasyShare Li-Ion rechargeable battery (KLIC–5001); 5V AC adapter, optional	
Communication with computer	
USB, via USB cable; EasyShare camera dock or printer dock	
Languages	
English/German/Spanish/French/Italian/Portuguese/Chinese/Korean/Japanese	
Other features	
Self-timer	10 seconds
Sound feedback	Power up, shutter, self-timer, error, sound modes
White balance	Auto, Daylight, Tungsten, Fluorescent, Open Shade
Auto sleep mode	Yes. 8 minutes
Color modes	High Color, Natural Color, Low Color, Black & White, Sepia
Sharpness	High, Normal, Low
Date stamp	None, YYYY/MM/DD, MM/DD/YYYY, DD/MM/YYYY
Tripod mount	1/4 inch metal
Size	3.9 in. (99.6 mm) x 3.2 in. (81.2 mm) x 3.2 in. (79.9 mm)
Weight	12.3 oz (350 g) without battery and card

Tips, safety, maintenance

- If the camera has been subjected to inclement weather or you suspect water has gotten inside the camera, turn off the camera and remove the battery and card. Allow all components to air-dry for at least 24 hours before using the camera again.
- Blow gently on the lens or camera screen to remove dust and dirt. Wipe gently with a soft, lint-free cloth or an untreated lens-cleaning tissue. Do not use cleaning solutions unless designed specifically for camera lenses. Do not allow chemicals, such as suntan lotion, to contact painted surfaces.
- Do not place your camera near equipment, such as electric motors. Electro-magnetic induction may corrupt pictures or cause camera malfunctions.
- Rapid changes in temperature can cause harmful condensation. Keep your camera in an airtight plastic bag and let it adjust to temperature before removing it from the bag.
- Service agreements are available in some countries. Contact a dealer of Kodak products for more information.
- For rechargeable battery disposal information, visit the Rechargeable Battery Recycling Corporation Web site at www.rbrc.com.
- For digital camera disposal or recycling information, contact your local authorities. In the US, visit the Electronics Industry Alliance Web site at www.eiae.org or the Kodak Web site at www.kodak.com/go/dx7590support.

Storage capacities

File sizes can vary due to image content and exposure. You may be able to store more or fewer pictures and videos. Favorites take up additional space in internal memory and reduce storage capacity.

Picture storage capacity—standard compression

	Number of pictures				
	5.0 MP	4.4 MP (3:2)	4.0 MP	3.1 MP	1.8 MP
16 MB SD/MMC	9	11	12	15	24
32 MB internal memory	17	19	21	27	43
32 MB SD/MMC	19	22	24	30	48
64 MB SD/MMC	39	44	49	60	97
128 MB SD/MMC	79	89	98	121	195
256 MB SD/MMC	159	178	196	242	391
512 MB SD/MMC	319	356	392	485	783

Picture storage capacity—fine compression

	Number of pictures				
	5.0 MP	4.4 MP (3:2)	4.0 MP	3.1 MP	1.8 MP
16 MB SD/MMC	4	5	5	7	12
32 MB internal memory	8	9	10	12	21
32 MB SD/MMC	9	10	11	14	24
64 MB SD/MMC	18	20	23	28	48
128 MB SD/MMC	37	41	46	57	97
256 MB SD/MMC	74	83	92	115	194
512 MB SD/MMC	149	167	185	231	389

Video storage capacity

	Minutes/seconds of video	
	VGA (640 x 480)	QVGA (320 x 240)
16 MB SD/MMC	59 sec.	1 min. 53 sec.
32 MB internal memory	1 min. 47 sec.	3 min. 23 sec.
32 MB SD/MMC	1 min. 52 sec.	3 min. 46 sec.
64 MB SD/MMC	3 min. 59 sec.	7 min. 32 sec.
128 MB SD/MMC	7 min. 59 sec.	15 min. 4 sec.
256 MB SD/MMC	15 min. 58 sec.	30 min. 8 sec.
512 MB SD/MMC	31 min. 57 sec.	60 min. 17 sec.

Power-saving features

If no action for	The camera	To turn it back on
1 minute	EVF/LCD screen turns off	Press the OK button.
8 minutes	Enters auto power off	Press any button or insert/remove card.

Accessories

Item	Description	Where to buy
Schneider-Kreuznach Xenar 0.7X wide-angle lens	Expand your creativity and photographic options with the versatile 0.7X wide-angle lens.	www.kodak.com/go/dx7590accessories
Kodak DX6490/DX7590 lens adapter	Allows you to add 55 mm screw-on lenses or filters	
Lens filter (black-and-white)	Neutral density filter 102. Reduces light by 2 f-stops (log density 0.6), 55 mm threads	
	Circular Polarizing filter (55 mm threads)	
Kodak 5-volt AC adapter	Easy way to extend battery life. Plug your camera in while downloading or viewing your pictures.	
Kodak performance series digital camera case	Stylish, but rugged, for Kodak EasyShare series digital cameras.	
Kodak EasyShare Li-Ion rechargeable battery—1700 mAh	Delivers outstanding capacity and charges up to 300 times in 3 hours or less.	
Kodak Li-Ion rapid battery charger kit	Includes six worldwide plugs ranging from 110–240 volts. Batteries sold separately.	
Check our Web site for the entire listing (batteries & chargers, memory cards, tripods, camera bags, travel kits, cartridge & photo paper kit, camera docks, printer docks, lenses, etc.)		

Upgrading your software and firmware

Download the latest versions of the software included on the EasyShare software CD and the camera firmware (the software that runs on the camera). See www.kodak.com/go/dx7590downloads.

Regulatory compliance

FCC compliance and advisory

Kodak EasyShare DX7590 zoom digital camera

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed or used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: 1) reorient or relocate the receiving antenna; 2) increase the separation between the equipment and the receiver; 3) connect the equipment to an outlet on a circuit different from that to which the receiver is connected; 4) consult the dealer or an experienced radio/TV technician for additional suggestions.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. Where shielded interface cables have been provided with the product or specified additional components or accessories elsewhere defined to be used with the installation of the product, they must be used in order to ensure compliance with FCC regulation.

Canadian DOC statement

DOC Class B Compliance—This Class B digital apparatus complies with Canadian ICES-003.

Observation des normes-Class B—Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

VCCI Class B ITE

この装置は、情報処理装置等電波障害自主規制協議会（ＶＣＣＩ）の基準に基づくクラスＢ情報技術装置です。この装置は、家庭環境で使用することを目的としていますが、この装置がラジオやテレビジョン受信機に近接して使用されると、受信障害を引き起こすことがあります。
取扱説明書に従って正しい取り扱いをして下さい。

English translation:

This is a Class B product based on the standard of the Voluntary Control Council for Interference from Information Technology Equipment (VCCI). If this is used near a radio or television receiver in a domestic environment, it may cause radio interference. Install and use the equipment according to the instruction manual.

MPEG-4

Use of this product in any manner that complies with the MPEG-4 visual standard is prohibited, except for use by a consumer engaging in personal and non-commercial activities.

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